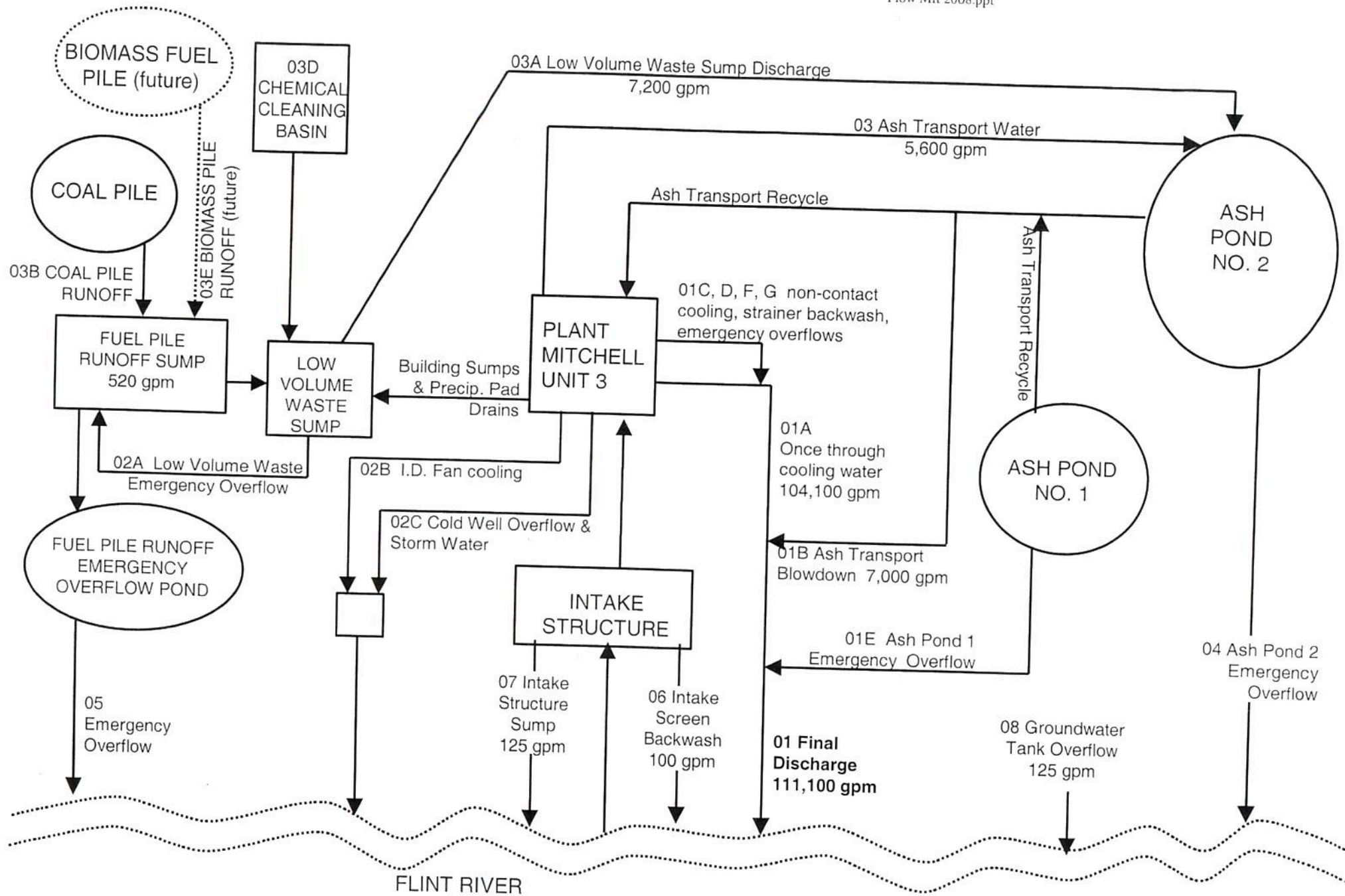


NPDES PERMIT NO. GA0001465

Flow Mit 2008.ppt



**PLANT MITCHELL
ASH POND COTREATMENT
SUMMARY TABLE**

A) DRY WEAHTER PROCESS FLOWS

| | | |
|-------------------------------------|----------------------|----------|
| | (Maximum Flows Used) | |
| Ash Transport Water 100% Recycle | 0.00 MGD | 0 GPM |
| 01C Low Volume Waste (LVW) | 10.37 MGD | 7200 GPM |
| 01D Coal Pile Runoff (Incl. in LVW) | <u>0.00 MGD</u> | 0 GPM |
| Total Dry Weather (Process) Flow | 10.37 MG | |

B) RAINFALL RUNOFF (Using SCS Method)

| | | |
|-----------------------------|-------------|--------------------|
| Ash Pond Surface Area - Wet | 27.25 | |
| Dry Pond Area | 15.75 | |
| Total Runoff Area | 43.0 Acres | |
| 10-year, 24 hour storm | 6.50 inches | |
| Annual Rainfall | 49.76 | (0.136 inches/day) |
| Equivalent Direct Run-off | 5.4 inches | |
| TOTAL Rainfall Runoff | 6.31 MG | |

C) REQUIRED WATER VOLUME

| | | | |
|------------------------------------------|----------|----|-----------|
| (A) Dry Weather Flow + Rainfall Runoff = | 16.68 MG | OR | 82,571 CY |
|------------------------------------------|----------|----|-----------|

D) ASH POND REMAINING STORAGE (See Notes 2 & 3)

From Ash Management Projections 2008 – 2013 (**NO** Projected Sales)

Projected Remaining Pond Volume for Wet Storage on 12/31 (water surface elevation 187.5)

| | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|
| YEAR | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| CU YDS | 82,571 | 82,571 | 82,571 | 82,571 | 82,571 | 82,571 |
| MG | 16.68 | 16.68 | 16.68 | 16.68 | 16.68 | 16.68 |

E) AVAILABLE VOLUME on 12/31/2013

| | | |
|--------------------------------|----------|-----------|
| See (D) Above and Note 3 Below | 16.68 MG | 82,571 CY |
|--------------------------------|----------|-----------|

FROM ABOVE, (E) IS EQUAL TO (C), THEREFORE ASH POND CAPACITY IS SUFFICIENT

NOTES:

1. The rainfall runoff was determined using Soil Conservation Services (SCS) Method and Georgia manual for Sediment and Erosion Control, 2000 edition.
2. Strict Interpretation uses elevation 187.5, which represents current operating level.
3. Volume projected for Strict Interpretation through 2013 assumes ash disposal rates remain as projected and that dry storage activities will maintain storage volume above minimum required for co-treatment purposes.